

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL
ELECTROLOGGING REPORT

Ref No:- 489

Date:- 05-07-2022

NAME OF SITE

Gram Panchayat- Sahanpur BLOCK- Bisauli DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun

(R)
m/s pnc



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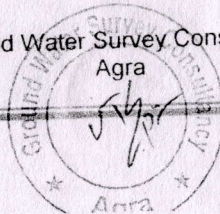
Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

112 A-Shree Nagar Colony, Firozabad Road, Agra- 282006

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SAHANUR, BLOCK- BISAULI
DISTT.- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

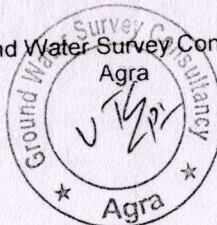
A Deep bore hole was drilled 110 mtrs. depth. and Logged depth 110 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging is conducted at above bore hole using IGIS Well Logger on 05.July.2022.

Logging Parameters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 18	13	Dry sand	
3.	18 - 22	4	Fine sand	
4.	22 - 28	6	Clay kankar	
5.	28 - 45	17	Medium sand	Good
6.	45 - 53	8	Sandy Clay	
7.	53 - 62*	9	Medium sand	Good
8.	62 - 73	11	Clay kankar	
9.	73 - 77	4	Fine sand	Good
10.	77 - 85	8	Clay kankar	
11.	85 - 97*	12	Medium sand	Good
12.	97 - 105	8	Clay kankar	
13.	105 - 110*	5	Fine to medium sand	Good

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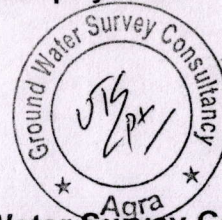


Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. Expected discharge is 500 to 700 L.P.M.
5. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
6. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

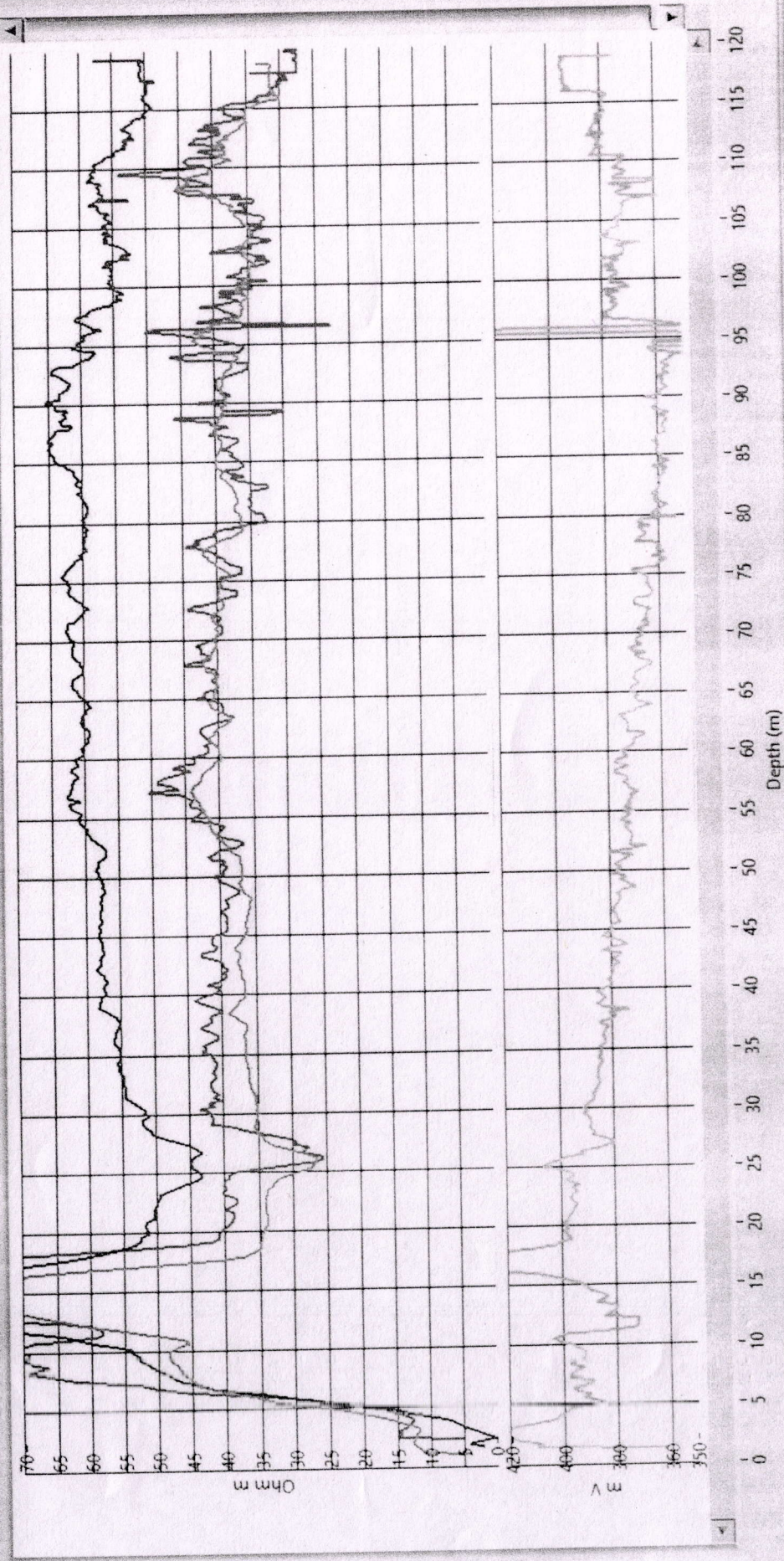
(R)
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Geophysicist



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Rho a
 NI16 (SN)
 N64(LN)
 LAT
 Logging VI
 Sahapur Block
 Bisauli Distt Badaun
 LOGGIRIGUP
 05 Jul 2022
 19:54
 Utkarsh Gupta (K)

SP (m V)



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